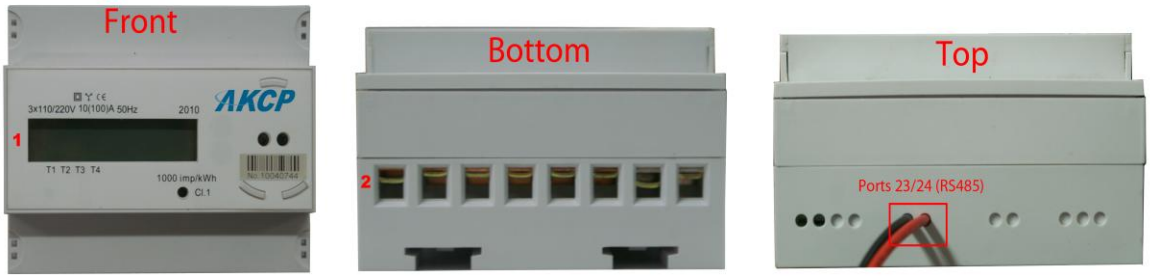
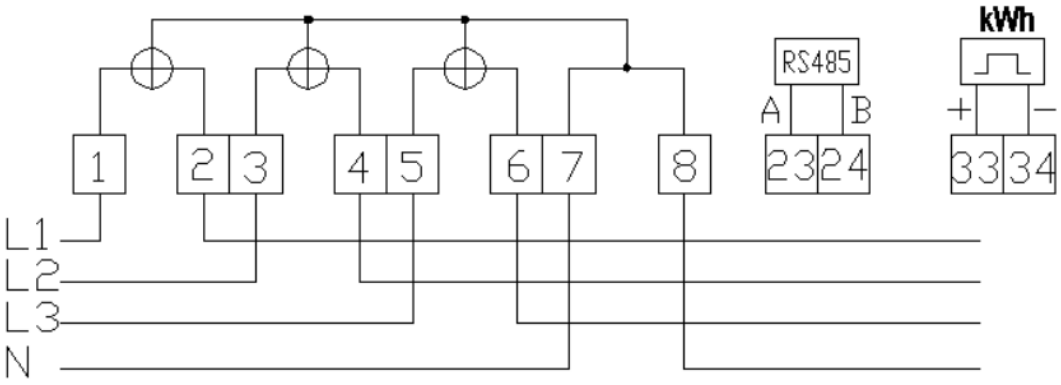
Power Monitor User Manual

PMS Panels.





1. LCD Display

The LCD display presents various information from the PMS meter.

2. Power Connection Terminals

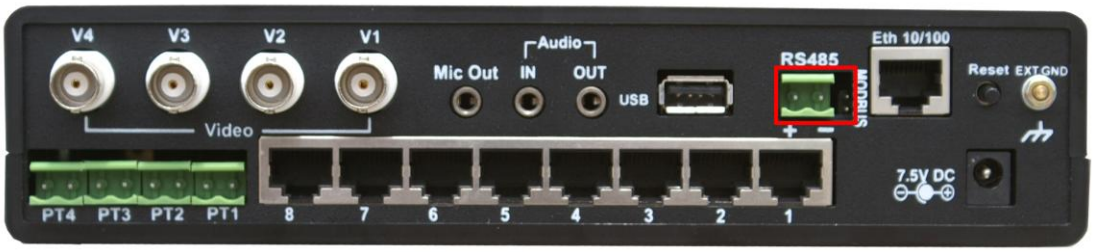
Connect your line voltage (single, dual or three phase) to the power terminals on the bottom of the unit (Lines 1-8)

Ports 23/24 (RS485)

Connect two wires/twisted pair from ports 23/24 to the terminal block on the securityProbe RS485 port.

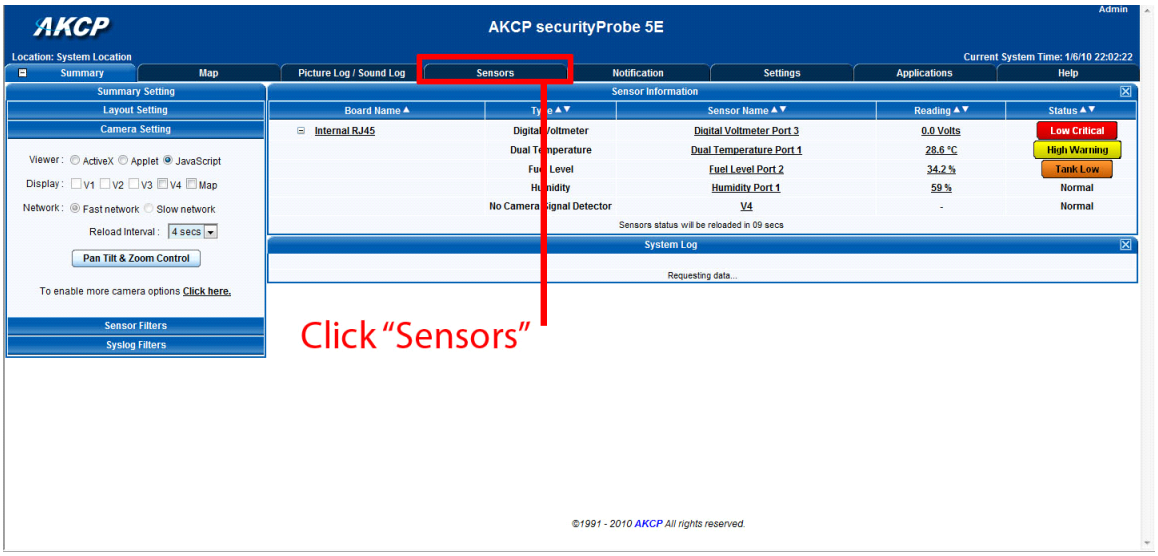
Connecting to the securityProbe.

The AKCP PMS uses the Modbus connection (RS485) port on the rear of the securityProbe (note your rear panel may differ depending on the model of securityProbe you have) Using a pair of wires from ports 23/24 on the PMS (see wiring diagram) to the terminal block on your securityProbes RS485 port :-

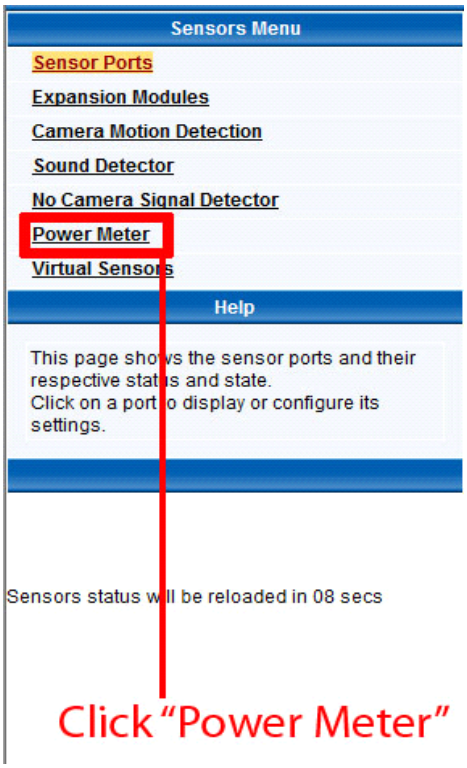


Basic Setup Of your PMS

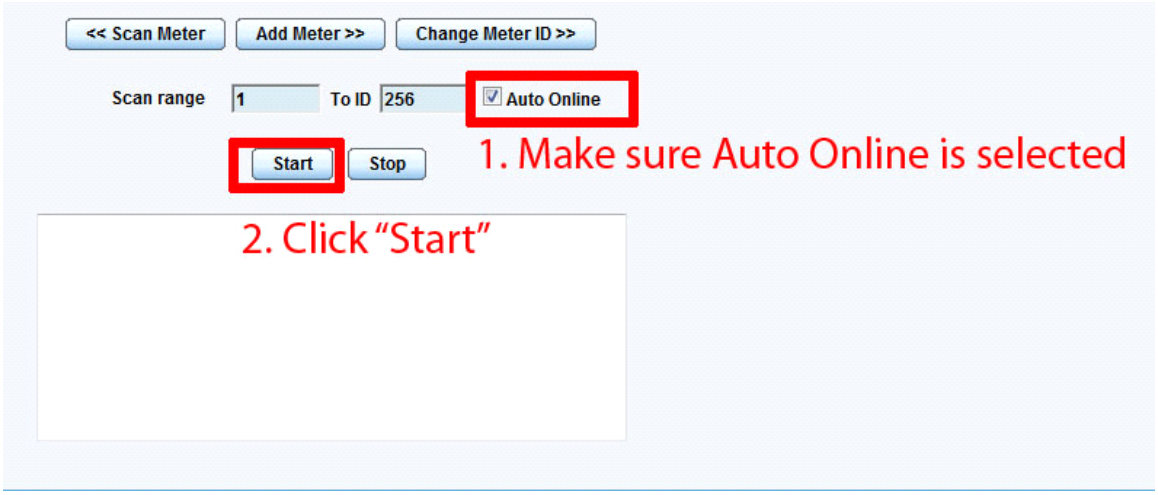
Once you have connected your PMS unit to the securityProbe 5E and you have ensured correct power connection to the PMS, navigate to the web interface of your securityProbe 5E. You should be bought to summary page :-



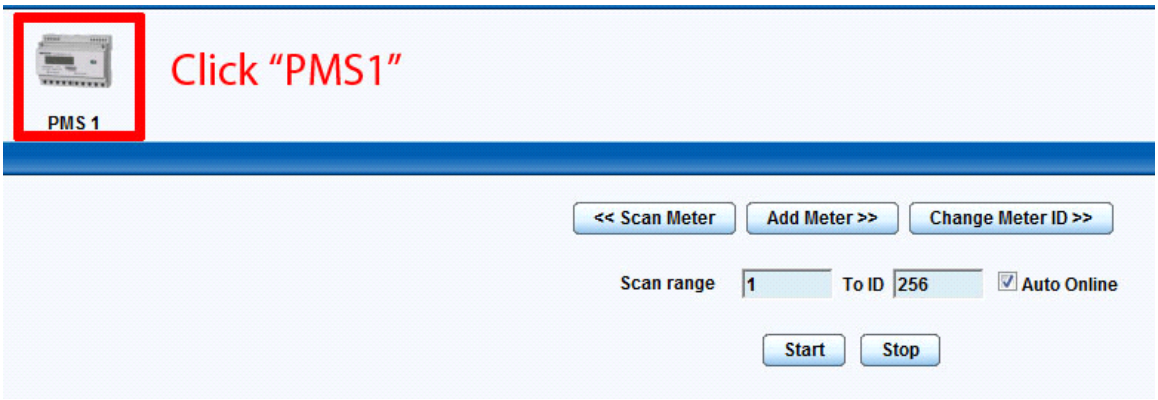
After you have clicked the "Sensors" tab you will be bought to the sensor settings page:-



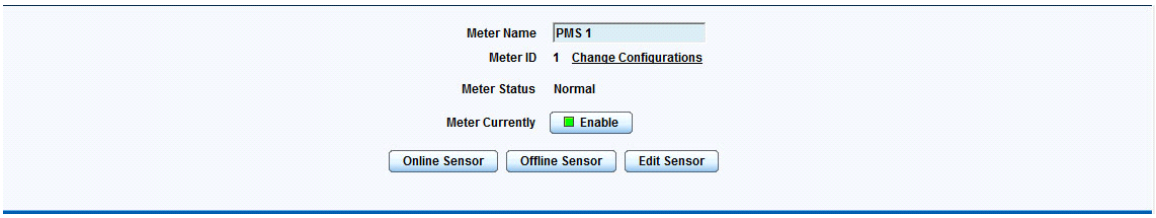
This will now bring you to the "Scan Meter" page, follow the directions below for a quick setup:-



Once the scan has begun any connected PMS units will be displayed in the top right corner of the window:-



You will now be taken to the meter settings page, here you will have various options listed.



- **Meter Name**

  This option allows you to rename your meter to a name of your choosing.

- **Meter ID**

  Here the ID of your PMS module is displayed, you also have the options to change your configurations.

- **Meter Status**

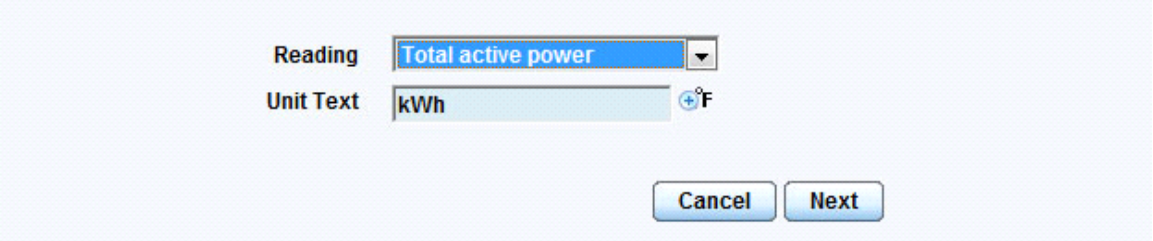
  Here you can view the status of your meter.

- **Meter Currently**

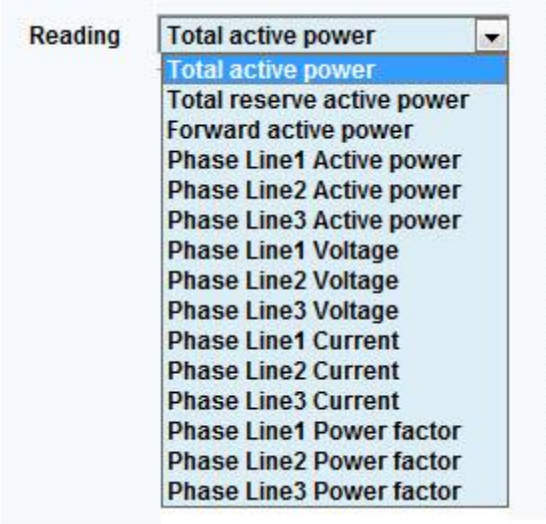
  This shows your meter's online status.

Once you are happy with the Various options displayed, you will need to online your PMSmeter

You can do this by clicking "Online Sensor" this will present you with the following options:-

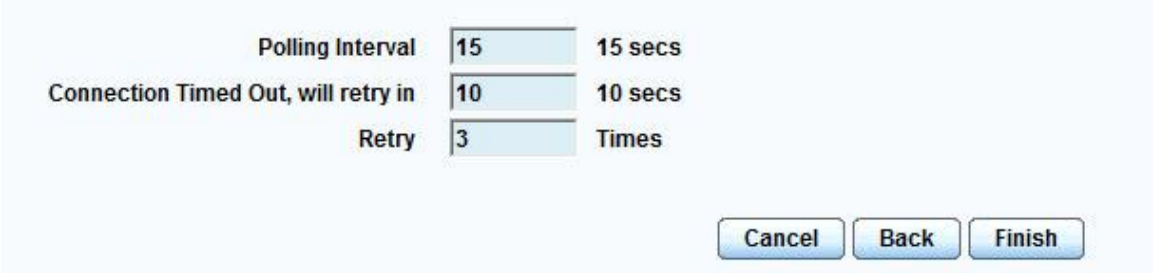


Click "Reading" for the following options:-



When you have selected your prefered reading click "Next" to continue.

You will now be brought to the Power Meter Menu, new options are now presented:-



- Polling Interval

  Here you can select how often the securityProbe polls information from the PMS unit.

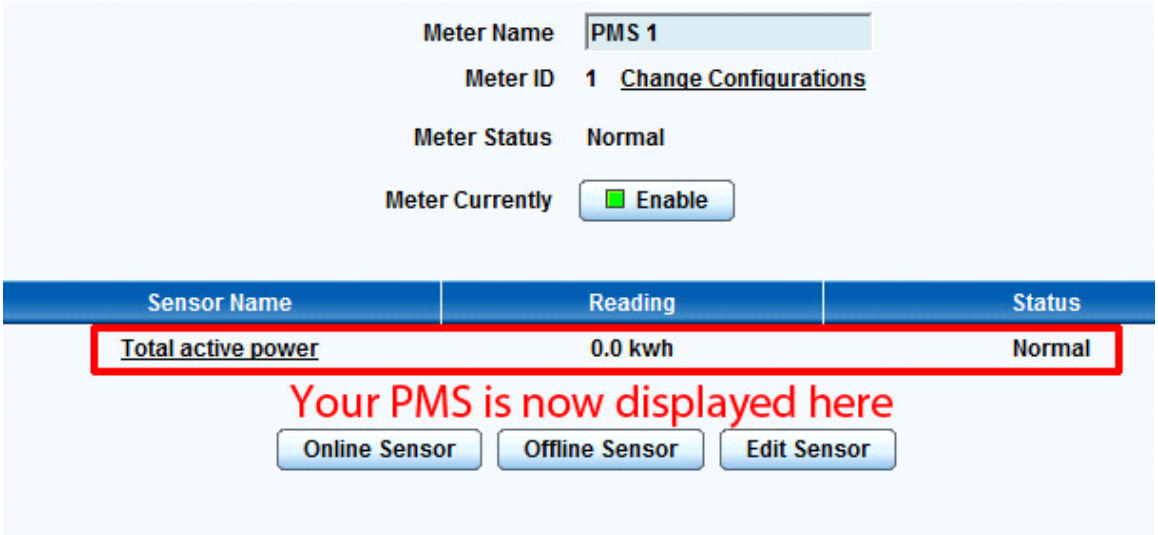
- Connection Time out

This option allows you to adjust the time (in seconds) the securityProbe will wait for a response from the PMS before timing out.

- Retry

You can set the number of times the securityProbe will retry after a timeout has occured.

When you are happy with the changes you have made click "finish".



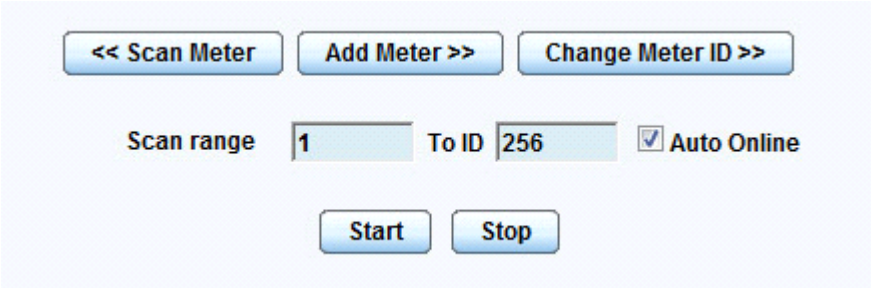
Avanced setup options

Scan Meter Page.

The scan meter page displays further options that we did not go in to in the basic setup procedure, lets look at those now:-

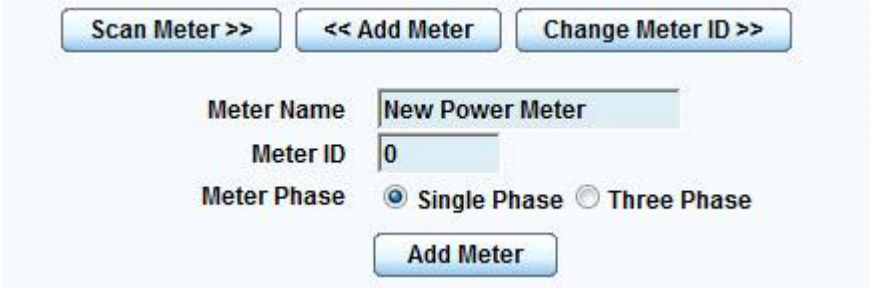
Scan Range.

By default this is set to scan ID'd ranging from 1-256.



Add Meter

By clicking the "Add Meter" button you will now be shown the following options:-



Meter Name

This Option allows you to select a custom name for your new meter.

Meter ID

Here you can assign an ID to your new meter.

Meter Phase

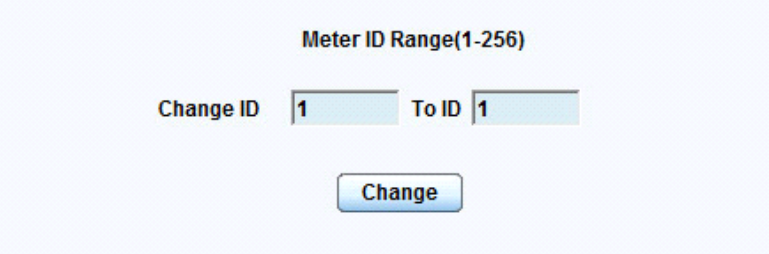
This allows you to select if your meter is either a single phase or a three phase unit.

Add Meter

Click here when you have made your changes.

Change Meter ID

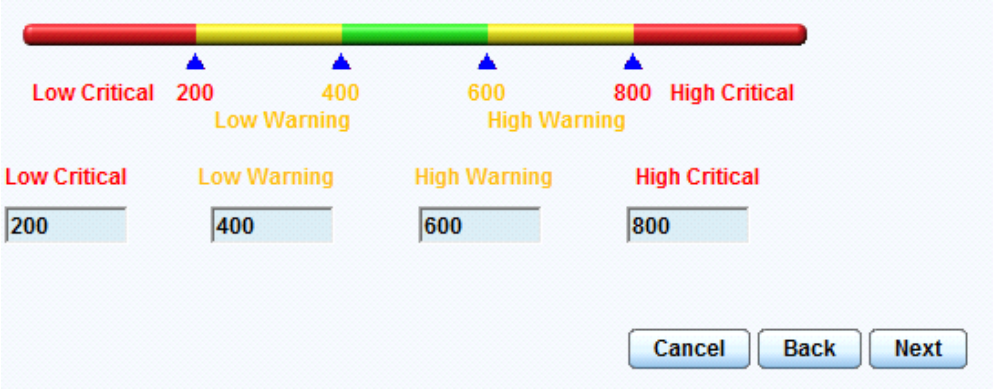
This page allows you to change the ID assinged to your PMS unit. By default all units are assigned (1) as the ID, so if you have two power units you will need to change the ID number to 2 on one of the power modules.



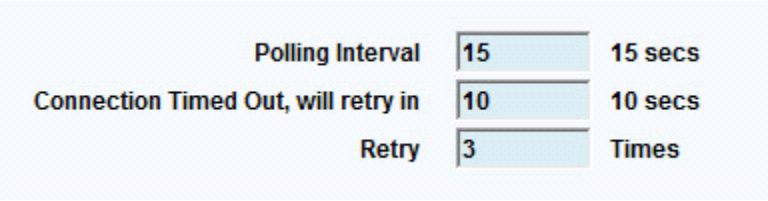
Notifications

Not all meter readings require notifications however in this section we will look at "Phase line 1 Active Power" so that you understand the process.

After you have selected "Phase line 1 active power" from the dropdown list (see page) you will be brought to a screen that displays the following information:-



Adjusting thresholds

you can adjust the notification thesholds by either dragging the blue markers left and right, or by inputting a value in the fields below. Click next when you are done.

After clicking "Next" you will be brought back to the Polling Options page discussed previously in the manual:-